Melanoma of the Skin (Invasive)
Long-Term Trends in U.S. Mortality[c] Using the Joinpoint Regression Program
By Females, All Races (includes Hispanic), All Ages
1975-2018 With up to Five Joinpoints

Race/ Ethnicity	Model	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC		Comparability Ratio Estimate
		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2009-18	2014-18	
All Races	Jump	1975-86	1.0*	1986-12	-0.4*	2012-18	-4.3*							-3.0*	-4.3*	0.9772
All Races	Comparability Ratio^	1975-86	1.0*	1986-12	-0.3*	2012-18	-4.4*							-3.0*	-4.4*	0.9677&
All Races	Standard Joinpoint	1975-88	0.8*	1988-12	-0.5*	2012-18	-4.2*							-3.0*	-4.2*	
White	Jump	1975-86	1.1*	1986-12	-0.2*	2012-18	-4.0*							-2.8*	-4.0*	0.9829
White	Comparability Ratio^	1975-85	1.2*	1985-12	-0.1	2012-18	-4.1*							-2.8*	-4.1*	0.9677&
White	Standard Joinpoint	1975-88	0.9*	1988-13	-0.4*	2013-18	-4.7*							-2.8*	-4.7*	
Black	Jump	1975-07	0.3	2007-18	-3.5*									-3.5*	-3.5*	0.7963&
Black	Comparability Ratio^	1975-97	0.3	1997-18	-2.3*									-2.3*	-2.3*	0.9677&
Black	Standard Joinpoint	1975-97	0.2	1997-18	-2.5*									-2.5*	-2.5*	

^Indicates the final selected model.

Joinpoint Regression Program Version 4.9, March 2021, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/).
The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
* The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.
& Significant at level 0.05 for test of Comparability Ratio = 1.